ABSTRACT OF THE DISCLOSURE

It is an object to enhance the reliability of an emergency stop in a control system, such as an NC apparatus system, in which, in order to reduce a dedicated line for an emergency stop, emergency-stop information is embedded in an ordinary serial-data frame. For that purpose, extracting units (125) and (126) are provided in a client control apparatus, for extracting emergency-stop data and frame-error check data from a frame that is transmitted from a host control apparatus or other client control apparatuses to the client control apparatus. Moreover, outputting circuits (128), (129), and (130) are provided in the client control apparatus, for, by checking the frame-error check data extracted by the extracting units, determining whether or not the frame has been generated normally in the host control apparatus or the other client control apparatuses, and outputting the emergency-stop data to an apparatus to be controlled when the emergency-stop data is embedded in the serial-data communication frame, and condition in which the frame is not generated normally in the host control apparatus or the other client control apparatus or the other client control apparatus or plurality of frames.

15